

ABSTRACT

A compressor assembly including a compressor mechanism, a compression chamber and a discharge chamber. A discharge port provides fluid communication between the compression chamber and the discharge chamber. A valve seat circumscribes the discharge port. A valve member having a valve head, a biasing section and a valve support is provided and may be formed out of a single integral part. The valve head is engageable with the valve seat. A non-threaded coupling member may mount the valve support to the cylinder block of the compressor mechanism. A guide member engageable with the biasing section of the valve member may also be provided. The valve head may include a second concave surface positioned opposite the surface engageable with the valve seat and have an effective area larger than the discharge port area. The valve head and valve seat may each be partially spherical surfaces having a common radius.